

## AGC/WSDOT Structures Team February 22, 2008 Meeting Minutes

### Members

Attended	Member	Company	Phone	E-mail
X	Ayers, Scott <sup>1</sup>	Atkinson Constr.	425-255-7551	<a href="mailto:scott.ayers@atkn.com">scott.ayers@atkn.com</a>
X	Barney, Millard	Conc. Tech.	253-383-3545	<a href="mailto:mbarney@concretetech.com">mbarney@concretetech.com</a>
	Beaver, Jesse	WSDOT-HQ	360-705-7825	<a href="mailto:beaverj@wsdot.wa.gov">beaverj@wsdot.wa.gov</a>
	Bernhard, Scott	Graham Constr.	509-534-1030	<a href="mailto:scottb@graham.ca">scottb@graham.ca</a>
X	Brecto, Barry	FHWA	360-753-9482	<a href="mailto:barrybrecto@fhwa.dot.gov">barrybrecto@fhwa.dot.gov</a>
	Casey, Daniel	KLM Constr.	253-297-2750	<a href="mailto:dcasey@klmci.com">dcasey@klmci.com</a>
X	Foster, Marco	WSDOT-NWR	360-757-5999	<a href="mailto:fosterm@wsdot.wa.gov">fosterm@wsdot.wa.gov</a>
X	Hilmes, Bob	WSDOT-ER	509-324-6232	<a href="mailto:hilmesb@wsdot.wa.gov">hilmesb@wsdot.wa.gov</a>
X	Ireland, Scotty	WSDOT-OR	253-305-6430	<a href="mailto:irelans@wsdot.wa.gov">irelans@wsdot.wa.gov</a>
X	Kapur, Jugesh	WSDOT-HQ	360-705-7209	<a href="mailto:kapurju@wsdot.wa.gov">kapurju@wsdot.wa.gov</a>
X	Madden, Tom	WSDOT-UCO	206-768-5861	<a href="mailto:maddent@wsdot.wa.gov">maddent@wsdot.wa.gov</a>
	Olson, Ryan	Mowat Constr.	425-398-0205	<a href="mailto:ryan.olson@mowatco.com">ryan.olson@mowatco.com</a>
	Parrish, Kevin	Hamilton Constr.	541-746-2426	<a href="mailto:kparrish@hamil.com">kparrish@hamil.com</a>
	Quigg, John	Quigg Bros.	360-533-1530	<a href="mailto:johnq@quiggbros.com">johnq@quiggbros.com</a>
X	Schettler, Jim	Jacobs Civil	206-382-6322	<a href="mailto:jim.schettler@jacobs.com">jim.schettler@jacobs.com</a>
	Sheikhzadeh, M. <sup>1</sup>	WSDOT-HQ	360-705-7828	<a href="mailto:sheikhm@wsdot.wa.gov">sheikhm@wsdot.wa.gov</a>
X	Smith, Tobin	Max J. Kuney	509-535-0651	<a href="mailto:tobin@maxkuney.com">tobin@maxkuney.com</a>
	Swenson, Robb	General Constr.	360-394-1407	<a href="mailto:Robb.Swenson@kiewit.com">Robb.Swenson@kiewit.com</a>
	Weckerlin, Tim	Kiewit Constr.	425-255-8333	<a href="mailto:tim.weckerlin@kiewit.com">tim.weckerlin@kiewit.com</a>
X	Welch, Pete	Wilder Constr.	425-551-3100	<a href="mailto:petewelc@wilderconstruction.com">petewelc@wilderconstruction.com</a>

<sup>1</sup> Team co-chair

### Guests

Attendee:	Company	Phone	E-mail
Becher, Dave	WSDOT-UCO	206-716-1124	<a href="mailto:becherd@wsdot.wa.gov">becherd@wsdot.wa.gov</a>
Simonsen, Randy	WSDOT-NWR	206-440-4673	<a href="mailto:simonsr@wsdot.wa.gov">simonsr@wsdot.wa.gov</a>
Dornsife, Ralph	WSDOT-HQ	360-705-7199	<a href="mailto:dornsir@wsdot.wa.gov">dornsir@wsdot.wa.gov</a>
Stoddard, Richard	WSDOT-HQ	360-705-7217	<a href="mailto:stoddari@wsdot.wa.gov">stoddari@wsdot.wa.gov</a>
Kinderman, Paul	WSDOT-HQ	360-705-7159	<a href="mailto:kindepa@wsdot.wa.gov">kindepa@wsdot.wa.gov</a>

**Topics** – I-90 Expansion Joint Constructibility, SEW Strip Feature, Owner Designed Moment Slabs, Pile Driving Specifications, Noise Wall Standards.

The meeting started at 09:00.

**1. Constructability Review – I-90 Expansion Joints**

Dick Stoddard and Ralph Dornsife of the Bridge and Structures Office presented a power point brief description of the existing modular joints on the floating structure. Highlights of the presentation:

- The existing joints are obsolete due to fatigue stresses
- Joints are located at the cross pontoons, at the transition spans
- A three weeks shut down for each bridge during the construction is envisioned
- June ad date with May and August work periods
- Joints will be owner procured
- Joints weights are 130 kips for the 65' wide bridge and 80 kips for the 40' joint

Discussion points:

- Consider a test removal section prior to the contract and concrete core tests
- Separate crews will have to work at the east and west ends concurrently
- The major risk is concrete removal
- Allow removal of the back walls. There is a concern with damaging the wall during removal
- Seek noise variance for around the clock work
- Consider use of SCC concrete for easy flow and compaction under the support boxes
- Weight of joints and lifting are not a concern

**Action Item:** No further action by the team.

**2. Approval of January Meeting Minutes**

There were no additional comments and the meeting minutes which were approved.

**Action Item:** January minutes will be published to the WSDOT website. No further action by the team.

**3. Action Items:****Structural Earth Wall Strip Feature**

Mo discussed Bridge Office's receptiveness to allowing a strip feature in the barrier. The group expressed a concern over inconsistent acceptance of the strip feature during the course of the contracts.

**Action Item:** Continuing discussion.

**Owner Designed Moment Slabs**

Mo reported that the Bridge Office is concerned about designing a scheme that may not suit the different proprietors. Further, the LRFD design load has complicated the moment slab design.

**Action Item:** Continuing discussion.

**Pile Driving Specifications Modifications**

Mo handed out the latest modifications to the pile driving specifications. Several editorial suggestions were made by the Team. The lead length requirement of 70% of the pile length will need to be changed to a fixed length

**Action Item:** Mo will update the Spec and present at the next meeting.

**Items 4, 5, and 6 on the agenda will be deferred to the March meeting.**

**7. Noise Wall Standards, Cost, and Aesthetics**

Paul Kinderman handed out the latest proposed Noise wall details. Paul has established a committee looking at cost reduction options as well as addressing aesthetics of wall Statewide. There will be a chapter 1360 in the Design manual. There will also be accepted form liners that will be placed on the QPL along with a list of manufacturers. The Team's feedback:

- Why no Contractors were included in this study
- Pilasters for tall walls are unsightly and are back again
- There is more effort to erect different pieces requiring use of two cranes
- Time associated with keeping the pilasters plumb
- The proposed scheme may not be cheaper

**Action Item:** WSDOT will update the team with changes.

The meeting was adjourned at 12:00. The next set of meetings are scheduled for **21 Mar 08**, **18 Apr 08**, **16 May 08**, and **27 Jun 08**.